



Nuclear and Radiological Field Training Center

The Y-12 Nuclear and Radiological Field Training Center provides world-class nuclear and radiological training in a safe, secure, realistic environment using expert instruction and personnel to serve as observers/evaluators for customer training.

EXPERTISE

As one of the National Nuclear Security Administration's original nuclear weapons production facilities, Y-12 National Security Complex has more than 60 years of experience in the production, handling, packaging, transportation and accountability of nuclear materials. In conducting this production mission, Y-12 personnel have developed expertise in the operation of personal dosimetry, detection and decontamination equipment. Our trainers have many years of operational experience at Y-12 as well as on numerous international missions.



TRAINING

The Nuclear and Radiological Field Training Center provides scenario-driven individual and team training to military and emergency response units that may operate in a nuclear or radiological environment. All training is customized to meet an individual's or team's unique requirements and needs.



Individual Training

- Initial and refresher training for new team members or members who need to reinforce skills in personal dosimetry, radiation detection and decontamination, using live “agents”
- Advanced Nuclear Operations Training for team members assigned to primary hands-on positions

Team Training

- Applied Radiological Response Techniques 2 (ARRT-2) certification, and 3 (ARRT-3) certification
- A variety of scenario-driven training vignettes reinforce operations (CONOPS) in nuclear or radiological environment
- Scenarios tailored to each team's unique mission
- Multi-team/interagency exercises providing a realistic training environment for exercise of the National Incident Management System (NIMS)

The Center is designed to provide a full range of consequence management training, including site characterization; nuclear/radiological material search and identification; contamination control; contaminated casualty extraction; hotline operations; and decontamination, material packaging and transportation.

NUCLEAR MATERIALS

Realistic training is enhanced by the use of relevant quantities of nuclear and radiological materials. These materials force teams to exercise the full range of their equipment and to properly exercise tactics, techniques



Y/PMBD-11-015



and procedures. The Y-12 site license allows the use of weapons-grade nuclear material, providing trainees the opportunity to recognize and detect materials of greatest concern. Available materials include:

- Uranium in many forms (metal, oxides) and enrichments (HEU, LEU, natural and depleted)
- Cesium-137
- Cobalt-60
- Strontium-90
- a variety of medical isotopes, as needed, and
- other materials, as needed.

For more information, contact:

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YGG 07-0054R4